

SUPPLY CHAIN MANAGEMENT M.S.

Degree: Master of Science

<https://www.towson.edu/cbe/departments/business-analytics-technology-management/grad/supplychain/>

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The Master of Science degree in Supply Chain Management and the embedded Post-Baccalaureate Certificate in Supply Chain Management are designed to develop professionals who can manage, analyze, and control activities across the entire supply chain, from upstream procurement to downstream distribution channels. The types of employers targeted by this program include companies, consulting firms, and government agencies that need to achieve competitive advantage and cost efficiencies by improving their supply chain performance. This program has been designed by benchmarking content and courses against industry credentialing offerings so that graduates of the program can proceed to professional certification based on the knowledge gained in the program.

Students have the opportunity to complete courses in a combination of face-to-face, online and blended formats. Statistics proficiency for the courses can be achieved by (1) completing a department approved online or in-person course in introductory statistics, (2) providing a transcript that shows exemplary performance in an introductory statistics course within the last five years or (3) successfully completing the department's Statistics Qualifier Exam.

Graduates with a supply chain management background can pursue careers as purchasing specialists, contract administrators, procurement officers and managers, supply chain management professionals, business analysts, demand managers and more. In fact, the majority of U.S. jobs fall somewhere in a supply chain, whether it is procurement, logistics and operations, marketing, or sales and service. International students may benefit from the program's STEM designation, which supports an optional practical training extension.

Accelerated Bachelor's-Master's Program

Students may also earn the M.S. in Supply Chain Management through the accelerated bachelor's to master's program (BS-MS). This program is designed as a structured program for Business Administration (BUAD) majors who have a concentration in Project Management and Business Analysis (PMBA). An individualized program is available to all majors and minors on campus; the individualized program especially complements Business Administration (BUAD) majors in other concentrations, Business Systems and Processes (BSAP) majors, Business Administration (BUAD) minors, and Business Analytics (BUAN) majors and minors.

Admitted majors and minors may apply for the accelerated Bachelor's-Master's in Supply Chain Management program once 60 total undergraduate units are earned, or junior standing. Students may then begin taking selected graduate courses once 90 undergraduate units are earned, or senior standing. Up to nine units of 600- and 700-level courses can be counted toward both the undergraduate and graduate degrees. A

bachelor's degree is awarded after all the bachelor's degree requirements are met.

Prospective students must complete an application for the accelerated program. Once accepted into the program, they must then complete a full application for graduate admission in order to continue in the program upon completion of their undergraduate degree. An undergraduate GPA of 3.00 or higher is needed, and admission to the accelerated program is both limited and competitive. Students not admitted in the current semester can reapply for admission in future semesters.

Requirements

Admission Requirements

Application deadlines and a full listing of materials required for admission can be found on the website.

Degree Requirements

Students must complete a total of at least 30 units:

- 18 units in six core courses taken by all students
- 9 units of elective courses
- 3 units of capstone project

Code	Title	Units
Required Courses ¹		
EBTM 602	INTRODUCTION TO SUPPLY CHAIN MANAGEMENT	3
EBTM 604	INTRODUCTION TO PROJECT MANAGEMENT ²	3
EBTM 610	OPERATIONS MANAGEMENT	3
EBTM 620	PROCUREMENT AND SOURCING	3
EBTM 710	LOGISTICS AND DISTRIBUTION	3
EBTM 720	SUPPLY CHAIN ANALYTICS	3
Electives		
Select three of the following:		9
EBTM 730	BUSINESS PROCESS MANAGEMENT	
EBTM 735	SIX-SIGMA QUALITY	
EBTM 740	CUSTOMER RELATIONSHIP MANAGEMENT	
EBTM 790	SPECIAL TOPICS IN SUPPLY CHAIN MANAGEMENT	
EBTM 795	INDEPENDENT STUDY	
EBTM 797	INTERNSHIP IN SUPPLY CHAIN MANAGEMENT	
Supply Chain Management Project		
The extended project offers a practical, real-world, problem-solving experience for the student. Ideally, students will take on a project from their workplace, an agency of federal, state or local government, or a private business. They will begin work on the project after taking 15 units of course work and may continue working on the project while completing other course work.		
EBTM 881	SUPPLY CHAIN MANAGEMENT CAPSTONE PROJECT	3
Total Units		30

¹ Students who successfully complete EBTM 602, EBTM 610, EBTM 620, EBTM 710, and EBTM 720 earn a Post- Baccalaureate Certificate in Supply Chain Management as part of their Master of Science degree.

² Students who took EBTM 343/443 as a TU undergraduate are not eligible to take EBTM 604. In that case, EBTM 625 is the replacement course.

Learning Outcomes

Learning Objective 1

Compare and contrast methods to manage, analyze and control supply chain activities. (Bloom's Level 4 – Analyze)

Courses assessed: Intro to Supply Chain (EBTM 602); Logistics and Distribution (EBTM 710).

Learning Objective 2

Analyze a supply chain setting using critical thinking and problem-solving skills. (Bloom's Level 4 – Analyze)

Courses assessed: Operations Management (EBTM 610); Procurement and Sourcing (EBTM 620).

Learning Objective 3

Develop creative alternatives to supply chain problems using appropriate technology. (Bloom's Level 6 – Creating)

Courses assessed: Intro to Supply Chain (EBTM 602); Supply Chain Analytics (EBTM 720).

Learning Objective 4

Synthesize and integrate concepts and methods to evaluate and recommend supply chain improvements. (Bloom's Level 6 – Creating)

Courses assessed: Supply Chain Capstone Project (EBTM 881); Exit Survey.